



# CEWELD 16.8.2 Tig

<b>TYPE</b>	A specially designed hybrid alloy between 308H and 316H for high temperature applications.	
<b>ANWENDUNGEN</b>	Used mainly in power generation and chemical process industries on applications such as, steam turbines, catalytic crackers, transfer piping and furnace accessories.	
<b>EIGENSCHAFTEN</b>	A specially designed composition where Molybdenum % is reduced to form a hybrid alloy between 308H and 316H, operates in temperatures up to 800 °C. CEWELD® 16.8.2 Tig gives a very high resistance to thermal embrittlement. Creep ductility is enhanced at temperatures above 650 °C.	
<b>KLASSIFIKATION</b>	AWS	A 5.9: ER16-8-2
	EN ISO	14343-A: W 16 8 2
	F-nr	4
	FM	5
<b>GEEIGNET FÜR</b>	1.4948, 1.4941, 1.4961, 1.4919, X6CrNi18-10, X8CrNiTi18-10, X8CrNiNb16-13, X6CrNiMoB17-12-2, 304H, 321H, 347H, 316H, UNS 30409, S32109,S34709, S31609, 304S51, 321S51, 347S51, 316S51, 316S53	

**ZULASSUNGEN** CE

**SCHWEISSPOSITIONEN**



**TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)**

C	Si	Mn	P	S	Cr	Ni	Mo	Cu
0.05	0.4	1.3	0.01	0.003	15.3	8.4	1.2	0.02

**MECHANISCHE GÜTEWERTE**

Heat Treatment	R <sub>P0,2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	Impact Energy (J) ISO-V		Hardness
				-196°C		
As Welded	420	850	>35	90		HRc

**RÜCKTROCKNUNG** Not required

**GAS ACC. EN ISO 14175** I1, I3



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16.8.2 TIG 2,4 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663413253